

AUTHOR INDEX  
1982, Volume 16

A

- AGERSKOV K Influence of thigh blood flow upon the arterial pressure gradient over the collateral arteries in patients with occlusion of the superficial femoral artery, 304  
— HENRIKSEN O and LONHOLT C Mechanism of the tilt induced increase in collateral arterial resistance in patients with occlusion of the superficial femoral artery, 587  
ALANEN K A see LIPASTI J A et al  
AI MAKDESSI S, ANDRIEU J L, CHAH Q T, TUDURI A J and FAUCON G Relationship between lactate arteriovenous gradient and tissue lactate content in subendocardial and subepicardial layers of the ischaemic *in situ* heart, 552  
ALTONA J C and VAN DER LAARSE A Anoxia-induced changes in composition and permeability of sarcolemma membranes in rat heart cell cultures, 138  
AMTORP O see EGBEGLAD H et al  
ELIASSEN P et al  
ANDERSEN K S see GRONG K et al  
ANDRIEU J L see AI MAKDESSI S et al  
AOUAD J see THUBRIKAR M et al  
ARNOLD J O see SAMODELOV L F et al  
ARNOLD L, PAGE J, ATTWELL D, CANNELL M and EISNER D A The dependence on heart rate of the human ventricular action potential duration, 547  
ARONSON R S see CAPASSO J M et al  
ASHER M J see EVANS D H et al  
ATTWELL D see ARNOLD L et al  
AULICK L H, WILMORE D W, MASON A D, and PRUITT B A Depressed reflex vasomotor control of the burn wound, 113

B

- BACHE R J see GOLD F L and BACHE R J  
BANNISTER SIR ROGER Clinical syndromes of autonomic failure, 370  
BARNARD R J see VINTEN-JOHANSEN J et al  
BARRY J A see EBERT T J et al  
BATTEN J R and NEREM R M Model study of flow in curved and planar arterial bifurcations, 178  
BECKER H see VINTEN-JOHANSEN J et al  
BELL P R F see EVANS D H et al  
BELL R N see PETERS A M et al  
BELLA P DELLA see DELLA BELLA P  
BENNETT G W, IRONS J, MARSDEN C A and LIGHTON C Neuropeptides and monoaminergic neurotransmitters in the spinal cord, 376 (abs)  
— see also MARSDEN C A et al  
BENNETT T see GARDINER S M and BENNETT T  
MACDONALD I A et al  
WINTER R et al  
BENTLEY S see EVANS D H et al  
BERRY C L see GREENWALD S E et al  
BIRO G P Comparison of acute cardiovascular effects and oxygen-supply following haemodilution with dextran, stroma-free haemoglobin solution and fluorocarbon suspension, 194  
BOMFIM V see SYLVÉ J C H et al  
BOS G C VAN DEN see VAN DEN BOS G C  
BOYLE R see KARDASH M et al  
BRACHMANN J see SENGES J et al  
BRAUNWALD E see DEBOER L W V et al

- BRAZELL M P see MARSDEN C A et al  
BRISCOE M G and SMITH H J Sensitivity of cat papillary muscles to verapamil and nifedipine: enhanced effect in acidosis, 173  
BRONSVELD W see VAN LAMBALGEN A A et al  
BROWN A M see WILCOX R G et al  
BRUBAKK A O see GISVOLD S E and BRUBAKK A O  
BUCKBERG G D see VINTEN-JOHANSEN J et al  
BURNSTOCK G see CROWE R and BURNSTOCK G

C

- CABANIS C see LE HEUZEY J Y et al  
CAILLET D and CROZATIER B Role of myocardial restoring forces in the determination of early diastolic peak velocity of fibre lengthening in the conscious dog, 107  
CAMPBELL J T see VAUGHAN WILLIAMS E M et al  
CANNELL M see ARNOLD L et al  
CAPASSO J M, ARONSON R S, STROBECK J E and SONNENBLICK E H Effects of experimental phosphate deficiency on action potential characteristics and contractile performance of rat myocardium, 71  
CARABELLO B A see THUBRIKAR M et al  
CARLSON C J, MEISTER W, EMILSON B, SHEINER L B, and RAPAPORT E Clearance of serum creatine kinase activity, 66  
CHAH Q T see AI MAKDESSI S et al  
CHAKRABARTI M K see DE LÉON R S et al  
CHANDLER J A see YAROM R et al  
CHANT A D B see HUMPHRIES K N et al  
COHEN M V Coronary steal in awake dogs: a real phenomenon, 339; errata 546  
COLE A W G, KINGABY R O, LAB M J and PALMER T N Myocardial liposome uptake in the early stages of myocardial infarction, 516  
COLTART D J see DENNIS S C et al  
CONDORELLI M see VOLPE M et al  
CORE P B see POGWIZD S M et al  
CROWE R and BURNSTOCK G Fluorescent histochemical localisation of quinacrine-positive neurones in the guinea-pig and rabbit atrium, 384  
CROZATIER B see CAILLET D and CROZATIER B  
CRYER P E Adrenergic mechanisms in glucose counterregulation in normal and diabetic man, 370  
CZYGAN E see SENGES J et al

D

- DAVIES M J see HENNEY A M et al  
DAVIS R F see DEBOER L W V et al  
DAWSON R, MILNE G and WILLIAMS R B Changes in the collagen of rat heart in copper-deficiency-induced cardiac hypertrophy, 559  
DE LÉON R S, ORCHARD C H, CHAKRABARTI M K and SYKES M K Effect of hypoxia on fluid filtration rate during forward and reverse perfusion of isolated rabbit lungs, 711  
DEBOER L W V, RUDE R E, DAVIS R F, MAROKO P R and BRAUNWALD E Extension of myocardial necrosis into normal epicardium following hypotension during experimental coronary occlusion, 423  
DELLA BELLA P see LOMBARDI F et al  
DEN BOS G C VAN see VAN DEN BOS G C

- DENNIS S C, HEARSE D J and COLTART D J Metabolic effects of substrates on the isolated guinea-pig heart in relation to arrhythmias during reperfusion, 209
- DENYER H T see GREENWALD S E et al
- DER LAARSE A VAN see VAN DER LAARSE A
- DEWAR H A see JOHNSON C E and DEWAR H A
- DUNCAN H W see VINTEN-JOHANSEN J et al
- E**
- EASTHAM C see GASCHO J A et al
- EBERT T J, HUGHES C V, TRISTANI F E, BARNEY J A and SMITH J Effect of age and coronary heart disease on the circulatory responses to graded lower body negative pressure, 663
- EDOUTE Y, GRANEY D, SANAN D, KOTZE J C N and LOCHNER A Normothermic ischaemic cardiac arrest of isolated working rat heart: effects of reserpine and propranolol on functional, metabolic and morphological recovery, 428
- EDSON J L see FALCONER A D and EDSON J L
- EGBELAD H, HAUNSO and AMTORP O Regional dynamic behaviour of the canine myocardium following brief ischaemia: wall thickness, wall thickening and blood flow, 249
- EINZIG S see LIMAS C J et al
- EISNER D A see ARNOLD L et al
- ELAMIN M S see KARDASH M et al
- ELIASSEN P, AMTORP O, TØNDEVOLD E and HAUNSO S Regional blood flow, microvascular blood content and tissue haemocrit in canine myocardium, 593
- EMILSON B A see CARLSON C J et al
- ENG C see PATTERSON R E et al
- ENTMAN M L see EZRAILSON E G et al
- EVANS D H, MACPHERSON D S, ASHER M J, BENTLEY S and BELL P R F Changes in Doppler ultrasound sonograms at varying distances from stenoses, 631
- EZRAILSON E G, HANLEY H G, HARTLEY C J, LEWIS R M, ENTMAN M L and SCHWARTZ A Studies on the mechanism of an antibiotic ionophore, RO2-2985 (X537A) in the conscious chronically instrumented dog: involvement of the prostaglandin synthetic pathway, 670
- F**
- FALCONER A D and EDSON J L Neonatal plasma catecholamines and lipolysis during parturition, 382 (abs)
- FARIS I B and LASSEN N A Increased vascular resistance in vasodilated skin as an indicator of diabetic microangiopathy? 607
- FAUCON G see AL MAKDESSI S et al
- FITZGERALD D E, O'SHAUGHNESSY A M and KEAVENY V T Pulsed Doppler: determination of blood velocity and volume flow in normal and diseased common carotid arteries in man, 220
- FONTENIER G J see MERILLON J P et al
- FROHLICH E D see PEGRAM B L et al
- FU L T, KATO N and TAKAHASHI N Ischaemia-induced negative U waves in electrocardiograms (an experimental study in canine hearts), 240
- FUJIWARA S see TANABE M et al
- G**
- GALE E A M see MACDONALD I A et al
- GARDINER S M and BENNETT T Neuropeptide involvement in cardiovascular control, 378 (abs)
- GASCHO J A, MUELLER T M, EASTHAM C and MARCUS M L Effect of volume-overload hypertension on the coronary circulation in awake dogs, 288
- GENAIN C P see MERILLON J P et al
- GERVAIS L SYLVESTRE see SYLVESTRE-GERVAIS L
- GIVSVOOLD S E and BRUBAKK A O Measurement of instantaneous blood-flow velocity in the human aorta using pulsed Doppler ultrasound, 26
- GODIN D, GUIMOND C, NADEAU R A and LEBLANC A R Electrophysiology of the chemically sympathectomised dog, 524
- GOLD F L and BACHE R J Influence of systolic intracavitory pressure on right ventricular perfusion in the awake dog, 467
- GOLDSMITH S J see PATTERSON R E et al
- GOODWIN J F see PETERS A M et al
- GOTO N see TANABE M et al
- GOURGON R R see MERILLON J P et al
- GRANET Y see EDOUTE Y et al
- GREEN J H see MACDONALD I A et al
- GREENWALD S E, BERRY C L and HAWORTH S G Changes in the distensibility of the intrapulmonary arteries in the normal newborn and growing pig, 716
- NEWMAN D L and DENYER H T Effect of smooth muscle activity on the static and dynamic elastic properties of the rabbit carotid artery, 86
- GRONG K, STANGELAND L, ANDERSEN K S and LEKVEN J Effects of timolol on blood flow distribution in the feline myocardium with acute regional ischaemia during controlled haemodynamic conditions, 269
- GUIMOND C see GODIN D et al
- GUIZE L see LE HEUZEY J Y et al
- GUO-QUING L see MAGRINI F and GUO-QUING L
- H**
- HALGASH D A see PATTERSON R E et al
- WEINTRAUB W S et al
- HALLIDIE-SMITH K A see PETERS A M et al
- HAMES T K see HUMPHRIES K N et al
- HAMILTON C A and REID J L A postsynaptic location of alpha<sub>2</sub> adrenoceptors in vascular smooth muscle: *in vivo* studies in the conscious rabbit, 11
- HAMLIN R L, LEVESQUE M J and KITTELSON M D Intramycocardial pressure and distribution of coronary blood flow during systole and diastole in the horse, 256
- HANLEY H G see EZRAILSON E G et al
- HARA K see NAKAMURA Y et al
- HARTLEY C J see EZRAILSON E G et al
- HAUNSO S see EGBELAD H et al
- ELIASSEN P et al
- HAVIVI Y see YAROM R et al
- HAWORTH S G and HISLOP A A Effect of hypoxia on adaptation of the pulmonary circulation to extra-uterine life in the pig, 293
- see also GREENWALD S E et al
- HAYASHI J see NAKAMURA Y et al
- HEARSE D J see DENNIS S C et al
- HENNEY A M, PARKER D J and DAVIES M J Collagen biosynthesis in normal and abnormal human heart valves, 624
- HENRIKSEN O see AGERSKOV K et al
- HERMENS W T see WILLEMS G M et al
- HEUZEY J Y Le see LE HEUZEY J Y
- HIRATA M see TANABE M et al
- HISLOP A A see HAWORTH S G and HISLOP A A
- HOESCHEN R J see KHATTER J C and HOESCHEN R J
- HOLMES P R see TOMLINSON D R et al
- HOROWITZ S F see PATTERSON R E et al
- HUGHES C V see EBERT T J et al
- HUMPHRIES K N, HAMES T K and CHANT A D B Detection of arterial dilatation in the distal aorta - lower limb arteries using continuous wave Doppler ultrasound, 474

## I

- IRONS J *see* BENNETT G W *et al*  
 ISHISE S *see* PEGRAM B L *et al*  
 IVERT T *see* SYLVEIN J C H *et al*

## J

- JAFFRIN M Y *see* MERILLON J P *et al*  
 JASBERG K A *see* SOWERS J R *et al*  
 JAUERNIG R *see* SENGES J *et al*  
 JOHANSEN J VINTEN *see* VINTEN-JOHANSEN J  
 JOHNSON C E and DEWAR H A Effect of sulphinpyrazone on the development of experimental endocardial vegetations. 657

## K

- KARDASH M, BOYLE R, ELAMIN M S, STOKER J B, MARY D A S G and LINDEN R J Detection of severity of coronary artery disease by the ST segment/heart rate relationship in patients on beta-blocker therapy. 508  
 KATO N *see* FU L T *et al*  
 KAWAI C *see* NAKAMURA M *et al*  
 KEAVNEY V T *see* FITZGERALD D E *et al*  
 KHATTER J C and HOESCHEN R J Developmental increase of digitalis receptors in guinea pig heart. 80  
 KIKUCHI Y *see* SAKAI K *et al*  
 KINGABY R O *see* COLE A W G *et al*  
 KITTELESON M D *see* HAMILIN R L *et al*  
 KLINOWSKI J, KORSNER S E and WINLOVE C P Problems associated with the micropolarographic measurement of the arterial wall pO<sub>2</sub>. 448  
 KORSNER S E *see* KLINOWSKI J *et al*  
 KOTZE J C N *see* EDOUTE Y *et al*  
 KRILL M T A *see* WILLEMS G M *et al*  
 KÜBLER W *see* SENGES J *et al*

## L

- LAARSE A VAN DER *see* VAN DER LAARSE A  
 LAB M J *see* COLE A W G *et al*  
 LAMBALGEN A A VAN *see* LAMBALGEN A A  
 LASSEN N A *see* FARIS I B and LASSEN N A  
 LAVENDER J P *see* PETERS A M *et al*  
 LAWRIE J S *see* RUSSELL D C *et al*  
 LE HEUZEY J Y, GUIZE L, MOUTET J P, CABANIS C, MAURICE P and PERONNEAU P Intra-SA-nodal pacemaker shift: indirect evaluation in the open chest dog. 276  
 LEBLANC A R *see* GODIN D *et al*  
 LEE J-D *see* NAKAMURA M *et al*  
 LEKVEN J *see* GRONG K *et al*  
 LENGFELDER W *see* SENGES J *et al*  
 LÉON R S D *see* DE LÉON R S  
 LERALLUT J F *see* MERILLON J P *et al*  
 LEVESQUE M J *see* HAMILIN R L *et al*  
 LEWIS B S *see* YAROM R *et al*  
 LEWIS R M *see* EZRAILSON E G *et al*  
 LIGHTON C *see* BENNETT G W *et al*  
 LIJOVETZKY G *see* YAROM R *et al*  
 LIMAS C J, EINZIG S and NOREN G R Nucleoprotein changes in the hearts of cardiomyopathic turkeys. 225  
 — Contrasting effects of spontaneous and induced cardiomyopathy on the nucleoproteins of turkey hearts. 263  
 LINDEM R J and MARY D A S G Limitations and reliability of exercise electrocardiography tests in coronary heart disease: review. 675  
 — *see also* KARDASH M *et al*  
 LIPASTI J A, ALANEN K A and NEVALAINEN T J Effect of hypertonic mannitol on microvascular function in hypoxic and reoxygenated rat myocardium. 283

LOCHNER A *see* EDOUTE Y *et al*

- LOMBARDI F, PATTON C P, DELLA BELLA P, PAGANI M and MALLIANI A Cardiovascular and sympathetic responses reflexly elicited through the excitation with bradykinin of sympathetic and vagal cardiac sensory endings in the cat. 57  
 LØNHOLT C *see* AGERSKOV K *et al*

LUKACSKO P Paradoxical bradycardia following the administration of sodium nitroprusside in the rat is abolished by indomethacin. 95

LYE M Body potassium content and capacity of elderly individuals with and without cardiac failure. 22

## M

- MACDONALD I A, BENNETT T, GALE E A M, GREEN J H, SAINTSBURY R and WALFORD S Metabolic and nutritional factors affecting the activity of the sympathoadrenomedullary system: effects on thermoregulation. 380 (abs)  
 MACDONALD I A *see* WILCOX R G *et al*  
 McDONALD T F *see* WATANABE T *et al*  
 McMURTRY J P *see* WEXLER B C and McMURTRY J P  
 MACPHERSON D S *see* EVANS D H *et al*  
 MAGRINI F and GUO-QUING L A critical improvement of the local thermodilution method for measuring renal blood flow in man: instruments and techniques. 350  
 MAIDMENT N T *see* MARDEN C A *et al*  
 MAKDESSI S AL *see* AL MAKDESSI S  
 MALLIANI A *see* LOMBARDI F *et al*  
 MARCUS M L *see* GASCHO J A *et al*  
 MAROKO P R *see* DEBOER L W V *et al*  
 MARDEN C A, BRAZELL M P, MAIDMENT N T, BENNETT G W and SHARP T Interaction between drugs and central monoamines: electrochemistry *in vivo*. 377 (abs)  
 — *see also* BENNETT G W *et al*

MARY D A S G *see* KARDASH M *et al*  
 LINDEM R J and MARY D A S G

- MASON A D *see* AULICK L H *et al*  
 MASON D T *see* SEGEL L D and MASON D T  
 MAURICE P *see* LE HEUZEY J Y *et al*  
 MAYER J H *see* TOMLINSON D R *et al*  
 MEISTER W *see* CARLSON C J *et al*  
 MERILLON J P, FONTENIER G J, LERALLUT J F, JAFFRIN M Y, MOTTE G A, GENAIN C P and GOURGON R R Aortic input impedance in normal man and arterial hypertension: its modification during changes in aortic pressure. 646  
 MICELI K *see* PATTERSON R E *et al*  
 MIGNERON S ROUSSEAU- *see* ROUSSEAU-MIGNERON S  
 MILLAR J S *see* VAUGHAN WILLIAMS E M *et al*  
 MILNE G *see* DAWSON R *et al*  
 MORI H *see* NAKAMURA Y *et al*  
 MOTTE G A *see* MERILLON J P *et al*  
 MOUTET J P *see* LE HEUZEY J Y *et al*  
 MUELLER T M *see* GASCHO J A *et al*  
 MUGELLI A Separation of the oscillatory current from other currents in cardiac Purkinje fibres. 637

## N

- NADEAU A *see* SYLVESTRE-GERVAIS L *et al*  
 NADEAU R A *see* GODIN D *et al*  
 NAKAMURA M, SASAYAMA S, TAKAHASHI M, OHYAGI A, YAMAMOTO A, LEE J-D and KAWAI C Regional dysfunction of the interventricular septum during acute coronary artery occlusion. 144  
 — *see also* SAKAI K *et al*  
 NAKAMURA Y, TAKAHASHI M, HAYASHI J, MORI H, OGAWA S, TANABE Y and HARA K Protection of ischaemic myocardium with coenzyme Q10. 132  
 NEREM R M *see* BATTEN J R and NEREM R M  
 NEVALAINEN T J *see* LIPASTI J A *et al*

- NEWMAN D L *see* GREENWALD S E *et al*  
 NGUYEN M H *see* SYLVESTRE-GÉRVAIS L *et al*  
 NISHIKAWA K *see* TANABE M *et al*  
 NOLAN S P *see* THUBRIKAR M *et al*  
 NOREN G *see* LIMAS C J *et al*  
 NOREN G R *see* LIMAS C J *et al*  
 NYBY M D *see* SOWERS J R *et al*

## O

- OGAWA S *see* NAKAMURA Y *et al*  
 OHYAGI A *see* NAKAMURA M *et al*  
 OLIN C *see* SYLVEIN J C H *et al*  
 OLIVER M F *see* RUSSELL D C *et al*  
 OOTSUBO H *see* SAKAI K *et al*  
 OPIE L H Role of cyclic nucleotides in heart metabolism: review, 483  
 ORCHARD C H *see* DE LÉON R S *et al*  
 O'SHAUGHNESSY A M *see* FITZGERALD D E *et al*

## P

- PAGANI M *see* LOMBARDI F *et al*  
 PAGE J *see* ARNOLD L *et al*  
 PALMER T N *see* COLE A W G *et al*  
 PARKER D J *see* HENNEY A M *et al*  
 PATTERSON R E, HALGASH D A, HOROWITZ S F, MICELI K, ENG C and GOLDSMITH S J Physiological influences on perfusion imaging in transient myocardial ischaemia: importance of early distribution of thallium-201, 47  
*— see also* WEINTRAUB W S *et al*  
 PATTON C P *see* LOMBARDI F *et al*  
 PEGRAM B L, ISHISE S and FROHLICH E D Effect of methyl-dopa, clonidine, and hydralazine on cardiac mass and haemodynamics in Wistar Kyoto and spontaneously hypertensive rats, 40  
 PERONNEAU P *see* LE HEUZEY J Y *et al*  
 PETERS A M, ROZKOVEC A, BELL R N, HALLIDIE-SMITH K A, GOODWIN J F and LAVENDER J P Platelet kinetics in congenital heart disease, 391  
 PIPKIN F B Catecholamines and the renin-angiotensin system during the perinatal period, 382 (abs)  
 POGWIZD S M, SHARMA A D and CORE P B Influences of labetalol a combined  $\alpha$ - and  $\beta$ -adrenergic blocking agent on the dysrhythmias induced by coronary occlusion and reperfusion, 398  
 POHL M *see* SAMODELOV L F *et al*  
 PRUITT B A *see* AULICK L H *et al*  
 PRZYBYLSKI J *see* TRZEBSKI A *et al*

## Q

- QUING L GUO- *see* GUO-QUING L

## R

- RAPAPORT E *see* CARLSON C J *et al*  
 RAUTAHARJU P M *see* WATANABE T *et al*  
 REES G M *see* SHABBO F P and REES G M  
 REID J L *see* HAMILTON C A and REID J L  
 RENGO F *see* VOLPE M *et al*  
 RICCIARDELLI B *see* VOLPE M *et al*  
 RIEMERSMA R A *see* RUSSELL D C *et al*  
 RITMAN E L *see* SUTTON M G SJ and RITMAN E L  
 RIZOS I *see* SENGES J *et al*  
 ROBERTSON J M *see* VINTEN-JOHANSEN J *et al*

- ROUSSEAU-MIGNERON S *see* SYLVESTRE-GÉRVAIS L *et al*  
 ROZKOVEC A *see* PETERS A M *et al*  
 RUDE R E *see* DEBOER L W V *et al*  
 RUSSELL D C, RIEMERSMA R A, LAWRIE J S and OLIVER M F Patterns of flow and conduction during early ventricular arrhythmias following coronary arterial occlusion in the dog, 613

## S

- SAARI J T The capillary membrane and calcium kinetics in perfused hearts: independence of force decay on heart rate, 417  
 SACCA L *see* VOLPE M *et al*  
 SAINSBURY R *see* MACDONALD I A *et al*  
 SAKAI K, TOMOIKE H, OOTSUBO H, KIKUCHI Y and NAKAMURA M Preocclusive perfusion area as a determinant of infarct size in a canine model, 408  
 SAMODELOV L F, POHL M and ARNDT J O Reversible blockade of cardiac efferents with procaine instilled into the pericardium of cats, 187  
 SANAN D *see* EDOUTE Y *et al*  
 SASAYAMA S *see* NAKAMURA M *et al*  
 SCHWARTZ A *see* EZRAILSON E G *et al*  
 SEGEL L D and MASON D T Beta-adrenergic receptors in chronic alcoholic rat hearts, 34  
 SENGES J, BRACHMANN J, CZYGAN E, RIZOS I, LENGFELDER W and KÜBLER W Electro-physiological effects of glucose-insulin-potassium on sinus node function in patients with and without sinus node dysfunction, 566  
*—* RIZOS I, BRACHMANN J, CZYGAN E, JAUERNIG R and KÜBLER W Electro-physiological effects of glucose-insulin-potassium on atrioventricular conduction in man, 308  
 SHABBO F P and REES G M Thermography in assessing coronary artery saphenous graft patency and blood flow, 158  
 SHARMA A D *see* POGWIZD S M *et al*  
 SHARP T *see* MARSDEN C A *et al*  
 SHEINER L B *see* CARLSON C J *et al*  
 SHEPHERD J T Reflex control of arterial blood pressure, 357  
 SHIMAMOTO N *see* TANABE M *et al*  
 SLEIGHT P New editor of *Cardiovascular Research*, 416  
 SMITH H J *see* BRISCOE M G and SMITH H J  
 SMITH J J *see* EBERT T J *et al*  
 SMITH K A HALLIDIE- *see* HALLIDIE-SMITH K A  
 SMITH R S and WARREN D J Effect of acute oral beta adrenergic blockade on muscle blood flow in man, 205  
 SONNEBLICK E H *see* CAPASSO J M *et al*  
 SOWERS J R, STERN N, NYBY M D and JASBERG K A Dopaminergic regulation of circadian rhythms of blood pressure, renin and aldosterone in essential hypertension, 317

- STANGELAND L *see* GRONG K *et al*

- STERN N *see* SOWERS J R *et al*

- STOKER J B *see* KARDASH M *et al*

- STROBECK J E *see* CAPASSO J M *et al*

- SUTTON M G SJ and RITMAN E L Effects of progressive reduction in coronary blood flow on regional and global left ventricular contraction and relaxation during normal and increased afterload: a roentgen videometric study, 535

- SYKES M K *see* DE LÉON R S *et al*

- SYLVEN J C H, BOMFIM V, IVERT T, and OLIN C Myocardial and non-myocardial release of myoglobin and creatine-kinase MB following cardiac operations with hypothermic potassium cardioplegia, 151

- SYLVESTRE-GÉRVAIS L, NADEAU A, NGUYEN M H, TANCRÈDE G and ROUSSEAU-MIGNERON S Effects of physical training on  $\beta$ -adrenergic receptors in rat myocardial tissue, 530

## T

- TAFIL M *see* TRZEBSKI A *et al*  
 TAKAHASHI M *see* NAKAMURA M *et al*  
     NAKAMURA Y *et al*  
 TAKAHASHI N *see* FU L T *et al*  
 TANABE M, TERASHITA Z-I, FUJIWARA S, SHIMAMOTO N, GOTO N, NISHIKAWA K, and HIRATA M Coronary circulatory failure and thromboxane A<sub>2</sub> release during coronary occlusion and reperfusion in anaesthetised dogs, 99  
 TANABE Y *see* NAKAMURA Y *et al*  
 TANCREDÉ G *see* SYLVESTRE-GERVAIS L *et al*  
 TARAZI R C *see* WICKER P and TARAZI R C  
 TERASHITA Z-I *see* TANABE M *et al*  
 TEULE G J J *see* VAN LAMBALGEN A A *et al*  
 THUS L G *see* VAN LAMBALGEN A A *et al*  
 THUBRIKAR M, CARABELLO B A, AOUD J and NOLAN S P Interpretation of aortic root angiography in dogs and in humans, 16  
 TOMLINSON D R, MAYER J H and HOMES P R Effects of blood sugar and diabetes mellitus on neuronal dynamics, 379 (abs)  
 —— *see also* WARD M J and TOMLINSON D R  
 TOMOIKE H *see* SAKAI K *et al*  
 TØNDEVOLD E *see* ELIASEN P *et al*  
 TRIMARCO B *see* VOLPE M *et al*  
 TRISTANI F E *see* EBERT T J *et al*  
 TRZEBSKI A, TAFIL M, ZOLTOWSKI M and PRZYBYLSKI J Increased sensitivity of the arterial chemoreceptor drive in young men with mild hypertension, 163  
 TUDURI A J *see* AL MAKDESSI S *et al*

## U

- UNGARO B *see* VOLPE M *et al*

## V

- VAN DEN BOS G C *see* VAN LAMBALGEN A A *et al*  
 VAN DER LAARSE A *see* ALTONA J C and VAN DER LAARSE A  
 VAN LAMBALGEN A A, BRONSVOLD W, VAN DEN BOS G C, THUS L G and TEULE G J J Cardiovascular and biochemical changes in dogs during etomidate-nitrous oxide anaesthesia, 599  
 VAUGHAN WILLIAMS E M, MILLAR J S and CAMPBELL T J Electrophysiological effects of labetolol on rabbit atrial, ventricular and Purkinje cells, in normoxia and hypoxia, 233  
 VINTEN-JOHANSEN J, BARNARD R J, BUCKBERG G D, BECKER H, DUNCAN H W and ROBERTSON J M Left ventricular O<sub>2</sub> requirements of pressure and volume loading in the normal canine heart and inaccuracy of pressure-derived indices of O<sub>2</sub> demand, 439  
 VISSER M P *see* WILLEMS G M *et al*

- VOLPE M, TRIMARCO B, RICCIARDELLI B, SACCA L, UNGARO B, RENGO F and CONDORELLI M Effects of oral salt loading on beta-adrenergic receptor responsiveness in normal and hypertensive subjects, 732

## W

- WALFORD S *see* MACDONALD I A *et al*  
 WARD M J and TOMLINSON D R Down-regulation of β<sub>2</sub> adrenoceptors in the respiratory tract, 381 (abs)  
 WARREN D J *see* SMITH R S and WARREN D J  
 WATANABE T, McDONALD T F and RAUTAHARI P M Amplitude variability of the action potential in hypoxia ventricular muscle, 727  
 WEINTRAUB W S, HALGASH D A and PATTERSON R E Delivery of <sup>14</sup>C-lignocaine and blood flow to canine organs after coronary occlusion: a physical separation technique to measure drug concentration and microsphere blood flow in the same tissue sample, 331  
 WEXLER B C and McMURTRY J P Differences in adrenal cholesterol, ascorbic acid, circulating corticosterone and aldosterone during the onset of hypertension in SHR vs WKY rats, 573  
 WICKER P and TARAZI R C Coronary blood flow measurements with left atrial injection of microspheres in conscious rats, 580  
 WILCOX R G, MACDONALD I A, BENNETT T and BROWN A M Metabolic and haemodynamic responses to exercise in hypertension: effects of β-adrenoceptor antagonists, 380 (abs)  
 WILLEMS G M, VISSER M P, KRILL M T A and HERMENS W T Quantitative analysis of plasma enzyme levels based upon simultaneous determination of different enzymes, 120: errata, 546  
 WILLIAMS E M VAUGHAN *see* VAUGHAN WILLIAMS E M  
 WILLIAMS R B *see* DAWSON R *et al*  
 WILMORE D *see* AULICIO L H *et al*  
 WILSON C *see* WINTER R *et al*  
 WINLOVE C P *see* KLINOWSKI J *et al*  
 WINTER R, WILSON C and BENNETT T Cardiovascular responses to lateral semi-circular canal stimulation in man, 610  
 WYSE D G Relationship between conductivity and functional refractoriness of atrioventricular node in man, 457

## Y

- YAMAMOTO A *see* NAKAMURA M *et al*  
 YAROM R, LEWIS B S, LIJOVETZKY G, HAVIVI Y and CHANDLER J A Platelet studies in patients with hypertrophic cardiomyopathy, 324

## Z

- ZOLTOWSKI M *see* TRZEBSKI A *et al*

## SUBJECT INDEX 1982, Volume 16

### ABBREVIATIONS, approved, 8

— TO JOURNALS, 7

Acidosis, effect of verapamil and nifedipine, 173

— — and contractile performance of rat myocardium, effects of experimental phosphate deficiency, 71

— — variability in hypoxic ventricular muscle, 727

Action potential duration, ventricular, dependence on heart rate of, 547

### ACTIVITIES, 55, 738

Adrenal cholesterol, ascorbic ...d, circulating corticosterone and aldosterone, differences during onset of hypertension, SHR vs WKY rats, 573

Adrenergic mechanism in glucose counterregulation in normal and diabetic man, 370

Adrenoceptors, alpha<sub>2</sub>, postsynaptic, *in vivo* studies, 11

Alcoholism, and cardiac beta-adrenergic receptors, 34

Angiography, aortic root, interpretation, 16

Anoxia-induced changes in composition and permeability of sarcolemma membrane of cardiac cells, 138

Antibiotic ionophore, R02-2985 (X537A), and indomethacin, and prostaglandin synthetic pathway, 670

Aorta, blood-flow velocity, measurement using pulsed Doppler ultrasound, 26

— input impedance in normal man and in arterial hypertension, modification during changes in aortic pressure, 646

— root angiography, interpretation, 16

Arrhythmias, reperfusion, metabolic effects of substrates on isolated guinea-pig heart in relation to, guinea-pig, 209

— ventricular, early, patterns of flow and conduction during, following coronary arterial occlusion, dog, 613

Arterial dilatation, detection in distal aorta, lower limb arteries using continuous wave Doppler ultrasound, 474

Ascorbic acid, adrenal cholesterol, circulating corticosterone, and aldosterone, differences during onset of hypertension, SHR vs WKY rats, 573

Atrioventricular conduction, electrophysiological effects of glucose-insulin-potassium on, 308

— node, relationship between conductivity and functional refractoriness of, 457

Atrium, quinacrine fluorescence, rabbit and guinea pig, 384

Autonomic failure, clinical syndromes, 370

### B

#### Beta adrenergic

— blockade and exercise muscle blood flow, 205

— receptors in chronic alcoholic rat hearts, 34

— — in rat myocardial tissue, effects of physical training, 530

— — — in respiratory tract, down-regulation, 381, *abs*

— — — responsiveness in normal and hypertensive subjects, effects of oral salt loading, 732

— — — in hypertension, and metabolic and haemodynamic responses to exercise, 380, *abs*

Bifurcations, arterial, curved and planar, model study of flow, 178

Blood-flow velocity in human aorta, measurement using Doppler ultrasound, 26

— — — and volume flow in normal and diseased common carotid arteries, man, 220

— pressure, arterial, reflex control, 357

#### BOOK REVIEWS:

SHEPHERD R J editor Ischaemic heart disease and exercise.

56

WALKER W F A colour atlas of peripheral vascular diseases, 56

Bradycardia, paradoxical, following administration of sodium nitroprusside, abolition by indomethacin, 95

Bradikinin, intracoronary, reflex effects, cats, 57

Burn wound blood flow, depressed reflex vasomotor control, 113

### C

Calcium kinetics and capillary membrane in perfused hearts, independence of force decay on heart rate, 417

Capillary membrane and calcium kinetics in perfused hearts, independence of force decay on heart rate, 417

Cardiac mass and haemodynamics, effects of antihypertensive agents, Wistar Kyoto and spontaneously hypertensive rats, 40

Cardiomyopathy, hypertrophic, platelet studies, 324

— nucleoprotein changes, turkeys, 225

— spontaneous and induced, contrasting effects on nucleoproteins of turkey hearts, 263

Cardioplegia, hypothermic potassium, enzyme release during, 151

Cardiovascular control, neuropeptide involvement, 387, *abs*

— responses to lateral semicircular canal stimulation, man, 610

*Cardiovascular Research*, new Editor, Professor P Sleight, 416

Carotid artery, static and dynamic elastic properties, effect of smooth muscle activity, rabbit, 86

Catecholamines and lipolysis during parturition, 382, *abs*

— and renin-angiotensin system during perinatal period, 382, *abs*

Chemoreceptor drive, arterial, increased sensitivity in young men, 163

Circadian rhythms, dopaminergic regulation in essential hypertension, 317

Clonidine, methyldopa, and hydralazine, effects on cardiac mass and haemodynamics, Wistar Kyoto and spontaneously hypertensive rats, 40

Coenzyme Q10 in protection of ischaemic myocardium, 132

— changes in rat heart in copper-deficiency-induced cardiac hypertrophy, 559

Collagen biosynthesis in heart valves, 624

Collateral arterial resistance, mechanism of tilt induced increase in occlusion of superficial femoral artery, 587

— — — in occlusion of superficial femoral artery, 304

Common carotid arteries, normal and diseased, pulsed Doppler determination of blood velocity and volume flow, 220

Conductivity and functional refractoriness, relationship between atrioventricular node, 457

Congenital heart disease, platelet kinetics, 391

Contractile performance and action potential of rat myocardium, effects of experimental phosphate deficiency, 71

Copper-deficiency-induced cardiac hypertrophy, collagen changes in rat heart in, 559

Coronary artery disease, ST segment/heart rate relationship and beta blockade, 508

— — — regional dysfunction of interventricular septum during, dog, 144

— — — saphenous graft patency and blood flow, thermography in assessing, 158

— blood flow, effects of progressive reduction on regional and global left ventricular contraction and relaxation during normal and increased after load, 535

— — — measurements with left atrial injection of microspheres in conscious rats, 580

- circulation, effect of volume-overload hypertrophy, awake dogs, 288
- circulatory failure and thromboxane A<sub>2</sub>, release during coronary occlusion and reperfusion, dog, 99
- heart disease, and age, effect on circulatory responses to graded lower body negative pressure, 663
- — limitations and reliability of exercise electrocardiography tests in: review, 675
- occlusion, delivery of <sup>14</sup>C-lignocaine and blood flow to canine organs after, 331
- steal in awake dogs, real phenomenon, 339, errata, 546
- Coronary artery occlusion, patterns of flow and conduction during early ventricular arrhythmias following, 613
- Corticosterone, circulating, aldosterone, adrenal cholesterol and ascorbic acid, differences during onset of hypertension. SHR vs WKY rats, 573
- Creatine kinase, serum activity, clearance, dog, 66
- Cyclic nucleotides in heart metabolism: review, 483

## D

- Dextran, stroma-free haemoglobin solution, and fluorocarbon suspension, comparison of acute cardiovascular effects and oxygen-supply following haemodilution with, 194
- Diabetes, adrenergic mechanisms in glucose counterregulation, man, 370
- and blood sugar, effects on neuronal dynamics, 379, *abs*
- microangiopathy, and increased vascular resistance in vasodilated skin, 607
- Digitalis receptors, developmental increase in guinea pig heart, 80
- Dopaminergic regulation of circadian rhythms of blood pressure, renin and aldosterone in essential hypertension, 317
- Doppler ultrasound detection of arterial dilatation, 474
- — sonograms, changes at varying distances from stenoses, 631
- *see also* Pulsed Doppler
- Down-regulation of beta-adrenoreceptors in respiratory tract, 381, *abs*
- Drugs, and central monoamines, interaction between, 377, *abs*

## E

- Elastic properties of carotid artery, effect of smooth muscle activity, 86
- Elderly individuals, with and without cardiac failure, and body potassium content, 22
- Electrocardiograms, ischaemia-induced negative U waves in, dog, 240
- Endocardial vegetations, experimental, effect of sulphin-pyrazone on development, 657
- Enzyme plasma levels, multi-enzyme analysis, 120, errata, 546
- release during hypothermic potassium cardioplegia, 151
- Errata, 546
- Etomidate-nitrous oxide anaesthesia, cardiovascular and biochemical changes, dogs, 599
- Exercise, effects on beta-adrenergic receptors in rat myocardial tissue, 530
- electrocardiography tests, limitations and reliability in coronary heart disease, 675
- muscle blood flow and beta adrenergic blockade, 205

## F

- Femoral artery, superficial occlusion, mechanism of tilt induced increase in collateral arterial resistance, 587
- Flow system in curved and planar arterial bifurcations, 178
- Fluid filtration rate and hypoxic vasoconstriction, 711
- Fluorocarbon suspension, dextran, and stroma-free haemoglobin suspension, comparison of acute cardiovascular effects and oxygen-supply following haemodilution with, 194

## G

- George Cecil Clarke Memorial Lectures, 1982, 355
- Glucose counterregulation in normal and diabetic man, adrenergic mechanisms, 370
- insulin-potassium, electrophysiological effects on atrioventricular conduction, man, 308
- — — electrophysiological effects on sinus node function, 566

## H

- Haematocrit, tissue, microvascular blood content and regional blood flow in canine myocardium, 593
- Haemodilution with dextran, stroma-free haemoglobin and fluorocarbon suspension, 194
- Haemodynamics and cardiac mass, effect of antihypertensive agents. Wistar Kyoto and spontaneously hypertensive rats, 40
- Heart metabolism, role of cyclic nucleotides: review, 483
- valves, normal and abnormal, collagen biosynthesis, 624
- Hydralazine, clonidine, and methyldopa, effect on cardiac mass and haemodynamics in Wistar Kyoto and spontaneously hypertensive rats, 40
- 6-Hydroxydopamine, electrophysiology, 524
- Hypertension, arterial, aortic input impedance, modification during changes in aortic pressure, man, 646
- essential, dopaminergic regulation of circadian rhythms, 317
- metabolic and haemodynamic responses to exercise, effects of beta-adrenoreceptor antagonists, 380, *abs*
- mild, increased sensitivity of arterial chemoreceptor drive in young men, 163
- salt and beta receptor responsiveness in, 732
- spontaneous, differences in adrenal cholesterol, ascorbic acid, circulating corticosterone and aldosterone during onset, 573
- Hypertrophy, cardiac, copper-deficiency-induced, collagen changes of rat heart, 559
- left ventricular, volume-overload, effect on coronary circulation, awake dogs, 288
- Hypoxia, effect on adaptation of pulmonary circulation to extra-uterine life, pig, 293
- effect on amplitude variability of action potential, 727
- effect on fluid filtration rate during forward and reverse perfusion of isolated rabbit lungs, 711

## I

- Indomethacin, in abolition of paroxysmal bradycardia following administration of sodium nitroprusside, rat, 95
- and antibiotic ionophore R02-2985 (X537A), and prostaglandin synthetic pathway, 670
- Infarct size, effect of hypotension, 423
- preocclusive perfusion area as a determinant of infarct size in canine model, 408
- INSTRUCTIONS TO AUTHORS, 1
- Instruments and techniques: A critical improvement of the local thermodilution method for measuring renal blood flow in man, 350
- Interventricular septum, regional dysfunction during acute coronary artery occlusion, 144
- Intramyocardial pressure and distribution of coronary blood flow during systole and diastole, horse, 256
- Intrapercardial blockade of cardiac efferents with procaine, 187
- Intrapulmonary arteries, changes in distensibility, normal newborn and growing pig, 716
- Intra-SA-nodal pacemaker shift: indirect evaluation in open chest dog, 276
- Ischaemia-induced negative U waves in electrocardiograms, dogs, 240

## L

- Labetalol, antiarrhythmic effects, 398  
 — electrophysiological effects on atrial, ventricular and Purkinje cells, in normoxia and hypoxia, 233  
 Lactate arteriovenous gradient and tissue lactate, relationship between in subendocardial and subepicardial layers of ischaemic *in situ* heart, 552  
 Lidocaine, <sup>14</sup>C, and blood flow, delivery to canine organs after coronary occlusion, 331  
 Lipolysis and neonatal plasma catecholamines during parturition, 382, *abs*  
 Liposome uptake in experimental myocardial infarction, 516  
 Lower body negative pressure, circulatory effects, effect of age and coronary heart disease, 663

## M

- Mannitol, hypertonic, effect on microvascular function in hypoxic and reoxygenated rat myocardium, 283  
 Methyldopa, clonidine, and hydralazine, effect on cardiac mass and haemodynamics, Wistar Kyoto and spontaneously hypertensive rats, 40  
 Microvascular blood content, regional blood flow and tissue haematocrit in canine myocardium, 593  
 — function, in hypoxic and reoxygenated rat myocardium, effect of hypertonic mannitol, 283  
 Monoamines, central, and drugs, interaction between, 377, *abs*  
 Multi-enzyme analysis of plasma enzyme levels, 120, errata, 546  
 Myocardial blood flow distribution, effects of timolol, 269  
 — — — and haematocrit, 593  
 — — — transmural, and intramyocardial pressure, during systole and diastole, horse, 256  
 — infarct extension during hypotension, 423  
 — *see also* Infarct size  
 — infarction, experimental, liposome uptake in early stages, 516  
 — ischaemia, normothermic ischaemic cardiac arrest of isolated working rat heart, 428  
 — transient, physiological influences on thallium-201 imaging, dog, 47  
 Myocardial wall motion, post-ischaemic, and blood flow, 249  
 Myocardium, ischaemic, protection with coenzyme Q10, 132

## N

- Neuronal dynamics, effects of blood sugar and diabetes mellitus, 379, *abs*  
 Neuropeptides, involvement in cardiovascular control, 378 *abs*  
 — and monoaminergic neurotransmitters in spinal cord, 376, *abs*  
 Neurotransmitters, monoaminergic, and neuropeptides, in spinal cord, 376, *abs*  
 Nifedipine and verapamil, sensitivity of papillary muscles, enhanced effect in acidosis, 173  
 Normothermic ischaemic cardiac arrest of isolated working rat heart, 428  
 Nucleoprotein changes in cardiomyopathy, turkeys, 225  
 — contrasting effects of spontaneous and induced, 263

## O

- Oscillatory current, separation from other currents in cardiac Purkinje fibres, 637  
 Oxygen requirements, left ventricular, of pressure and volume loading in normal canine heart and inaccuracy of pressure-derived indices of O<sub>2</sub> demand, 439

## P

- Pacemaker shift, intra-SA-nodal, indirect evaluation in open chest dog, 276  
 Parturition, neonatal plasma catecholamines and lipolysis during, 382, *abs*  
 Peak velocity of diastolic fibre lengthening, role of myocardial restoring forces in determination, dog, 107  
 Phosphate deficiency, experimental, effects on action potential characteristics and contractile performance of rat myocardium, 71  
 Physical training, *see* Exercise  
 Platelet kinetics in congenital heart disease, 391  
 — studies in hypertrophic cardiomyopathy, 324  
 pO<sub>2</sub>, arterial wall, micropolarographic measurement, 448  
 Postsynaptic location of alpha<sub>2</sub> adrenoceptors, vascular smooth muscle, 11  
 Potassium, body content, and capacity of elderly individuals with and without cardiac failure, 22  
 Preocclusive perfusion area as a determinant of infarct size in canine model, 408  
 Procaine, intraperitoneal blockade of cardiac efferents with, cat, 187  
 Proof correction marks, 10  
 Prostaglandin synthetic pathway and studies on mechanism of antibiotic ionophore, R02-2985 (X537A) and indomethacin, 670  
 Pulmonary circulation, changes in distensibility of intrapulmonary arteries, pig, 716  
 — — effect of hypoxia on adaptation to extra-uterine life, pig, 293  
 Pulsed Doppler, determination of blood velocity and volume flow in normal and diseased common carotid arteries, man, 220  
 — — — ultrasound in measurement of instantaneous blood-flow velocity in human aorta, 26  
 — — *see also* Doppler  
 Purkinje fibres, separation of oscillatory current from other currents, 637

## Q

- QT-heart rate relation, time-dependence, 547  
 Quinacrine fluorescence in guinea-pig and rabbit atrium, 384

## R

- Reflex control of arterial blood pressure, 357  
 Regional blood flow, microvascular blood content and tissue haematocrit in canine myocardium, 593  
 Renal blood flow, critical improvement for local thermodilution method for measuring: instruments and techniques, 350  
 Renin-angiotensin system and catecholamines during perinatal period, 382, *abs*

## S

- Salt and beta receptor responsiveness in hypertension, 732  
 Sarcolemmal membrane of cardiac cells, anoxia-induced changes in composition and permeability, 138  
 Septal thickness and coronary occlusion, 144  
 Sinus node function, electrophysiological effects of glucose-insulin-potassium on, 566  
 Sodium nitroprusside, and bradycardia and hypotension, effect of indometacin, rat, 95  
 Spinal cord, neuropeptides and monoaminergic neurotransmitters in, 376, *abs*  
 ST segment/heart rate relationship and beta-blockade in detection of severity of coronary artery disease, 508

- Standard units of measurement. 8  
Statistical terms. 8  
Stenoses, changes in Doppler ultrasound sonograms at varying distances from. 631  
Stroma-free haemoglobin solution, fluorocarbon suspension and dextran, haemodilution with, comparison of acute cardiovascular effects and oxygen-supply. 194  
Substrates, metabolic effects on isolated guinea-pig heart in relation to reperfusion arrhythmias. 209  
Sulphinpyrazone, effect on development of experimental endocardial vegetations, rabbits. 657  
Superficial femoral artery occlusion, influence of thigh blood flow upon arterial gradient over collateral arteries in. 304  
Sympathectomised dog, electrophysiology. 524  
Sympathoadrenal system, metabolic and nutritional factors affecting activity, effects on thermoregulation. 380, *abs*  
Systolic intracavity pressure, influence on right ventricular perfusion, awake dog. 467
- T
- Thallium-201 imaging, physiological influences on transient myocardial ischaemia, dog. 47  
Thermodilution method for measuring renal blood flow, man: instruments and techniques. 350  
Thermography, in assessing coronary artery saphenous graft patency and blood flow. 158
- Thermoregulation, and metabolic and nutritional factors affecting activity of the sympathoadrenal system. 380, *abs*  
Thigh blood flow, influence upon arterial pressure gradient over collateral arteries in occlusion of superficial femoral artery. 304  
Thromboxane A<sub>2</sub>, and coronary circulation, release during coronary occlusion and reperfusion, dog. 99  
Timolol and myocardial blood flow distribution. 269
- V
- Vascular resistance in vasodilated skin and diabetic microangiopathy. 607  
Ventricle, left, hypertrophy, volume-overload, effect on coronary circulation, awake dogs. 288  
— left, wall, dynamics, and coronary blood flow. 535  
— O<sub>2</sub> requirements of pressure and volume loading in normal heart and inaccuracy of pressure-derived indices of O<sub>2</sub> demand. 439  
— right, perfusion, influence of systolic intracavity, awake dog. 467  
Ventricular action potential duration, dependence on heart rate. 547  
Verapamil and nifedipine, sensitivity of papillary muscles, enhanced effect in acidosis. 173  
Vestibular stimulation, cardiovascular responses. 610



